

554250

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number
WO 2004/094516 A1

- (51) International Patent Classification⁷: **C08K 5/098**
- (21) International Application Number:
PCT/NO2004/000114
- (22) International Filing Date: 23 April 2004 (23.04.2004)
- (25) Filing Language: Norwegian
- (26) Publication Language: English
- (30) Priority Data:
20031820 23 April 2003 (23.04.2003) NO
- (71) Applicant (for all designated States except US): **NOR-X INDUSTRY AS** [NO/NO]; N-6082 Gursken (NO).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **MÄNNLE**, Ferdinand [NO/NO]; Fjordveien 13, N-0139 Oslo (NO). **BEYLICH, Jest** [NO/NO]; Treschowsgate 17B, N-0470 Oslo (NO). **LECERF, NICOLAS** [NO/NO]; Dalsveien 66B, N-0775 Oslo (NO). **OLAFSEN, Kjell** [NO/NO]; Frysiaveien 5, N-0883 OSLO (NO). **HAUGE, Roger** [NO/NO]; Vaagen, N-6082 Gursken (NO). **RÖDSETH, Kaare Roger** [NO/NO]; Gurskebotn, N-6082 Gursken (NO). **KLEPPE, Emil Arne** [NO/NO]; Saetre, N-6082 Gursken (NO).
- (74) Agent: **CURO AS**; Box 38, N-7231 LUNDAMO (NO).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
- with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ADDITIVE FOR THERMOPLASTICS, USE OF AND METHOD FOR ITS MANUFACTURE, METHOD FOR THE MANUFACTURE OF A THERMOPLASTIC CONTAINING SUCH ADDITIVE AND THERMOPLASTIC SO MANUFACTURED

(57) Abstract: Method for preparing an additive for thermoplastic materials to achieve controlled degradation thereof, yet allowing manufacture of very light coloured thermoplastics. The thermoplastics may be processed by means like film blowing, extrusion and injection moulding. A ferric(III) salt is reacted with a C2 - C24 fatty acid or derivative thereof under formation of a fat-soluble ferric(III) compound in a process where a suitable oxidizing agent ensures that all the iron in the end product is maintained in the ferric state. The invention further relates to the additive as such, a method for preparing modified thermoplastics with such additive and finally the thus modified thermoplastic materials.

WO 2004/094516 A1